

DERWENT-ACC-NO: 2001-026698

DERWENT-WEEK: 200107

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TITLE: Adjusting an automatic gear when driving  
over crest of a  
road in vehicle with speed control system  
inhibits  
immediate change to higher gear when crest  
has been  
traversed

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PRIORITY-DATA: 1999DE-1024945 (May 31, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
EP 1057682 A1	December 6, 2000	G
008 B60K 031/04		
JP 2001004021 A	January 9, 2001	N/A
006 F16H 061/18		
DE 19924945 A1	December 14, 2000	N/A
000 F16H 059/66		

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR  
GB GR IE IT LI LT LU LV MC MK  
NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
EP 1057682A1 APPL-DATE May 4, 2000	N/A	2000EP-0109479
JP2001004021A May 30, 2000	N/A	2000JP-0160413
DE 19924945A1 May 31, 1999	N/A	1999DE-1024945

INT-CL (IPC): B60K031/04, B60K041/04 , F16H059/66 ,  
F16H059:18 ,  
F16H059:44 , F16H059:66 , F16H059:70 , F16H061/18

ABSTRACTED-PUB-NO: EP 1057682A

BASIC-ABSTRACT:

NOVELTY - When approaching the crest often the torque required initiates a gear change downwards by the automatic gear system. Once past the crest the vehicle coasts and the speed increases so that a change upwards is called for. The invention checks that the vehicle has passed the crest and holds the gear in the current gear stage

USE - Controlling gear changes

ADVANTAGE - Prevents frequent gear changes when  
traversing road crests  
increasing comfort and driving safety and comfort

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: ADJUST AUTOMATIC GEAR DRIVE CREST  
ROAD VEHICLE SPEED CONTROL  
SYSTEM INHIBIT IMMEDIATE CHANGE HIGH GEAR  
CREST TRAVERSE

DERWENT-CLASS: Q13 Q64 X22

EPI-CODES: X22-A03D; X22-G01;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2001-020885